S01P062-0

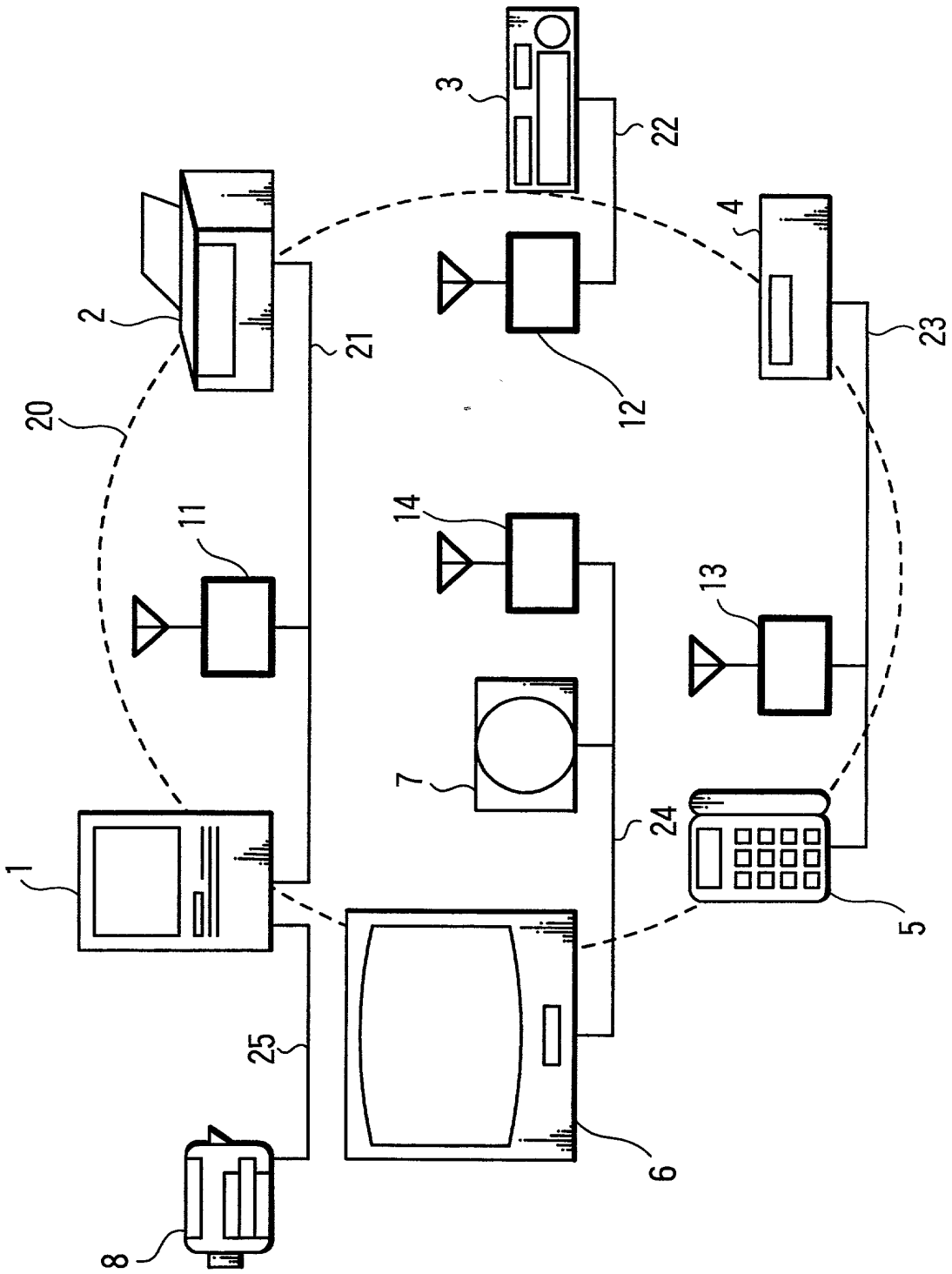


FIG. 1

FIG. 2

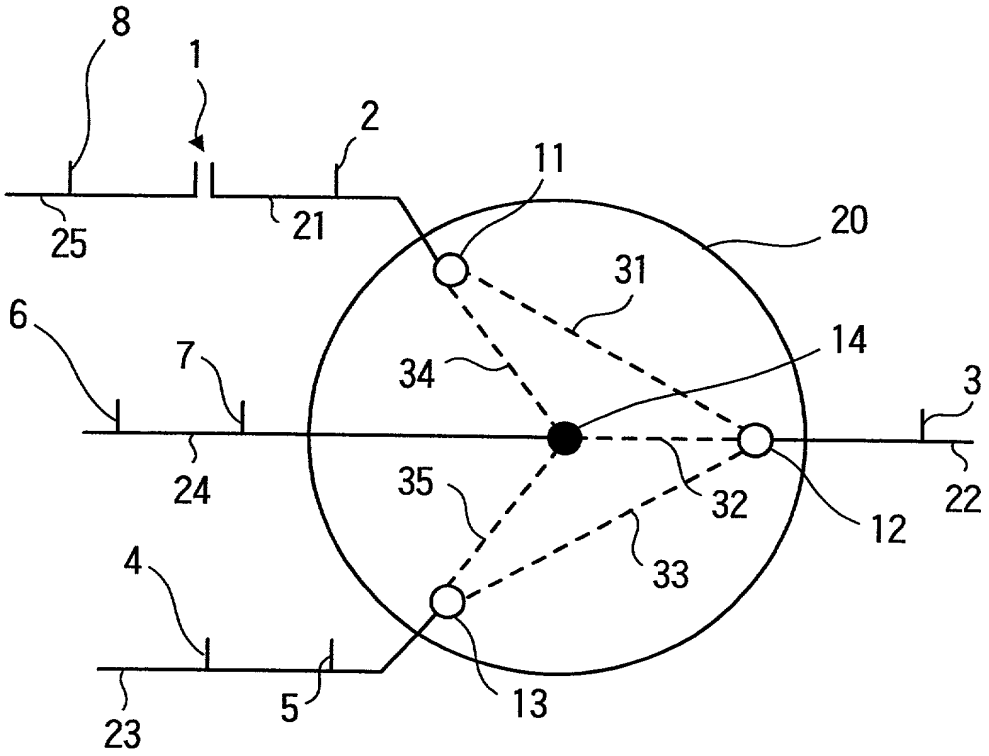


FIG. 3

Wireless Network (20 Wireless Bus)	Connected Bus:21,22,23,24,25
11 Communication Stations #1	Connected Bus:21,25
12 Communication Stations #2	Connected Bus:22
13 Communication Stations #3	Connected Bus:23
14 Communication Stations #4	Connected Bus:24

FIG. 4

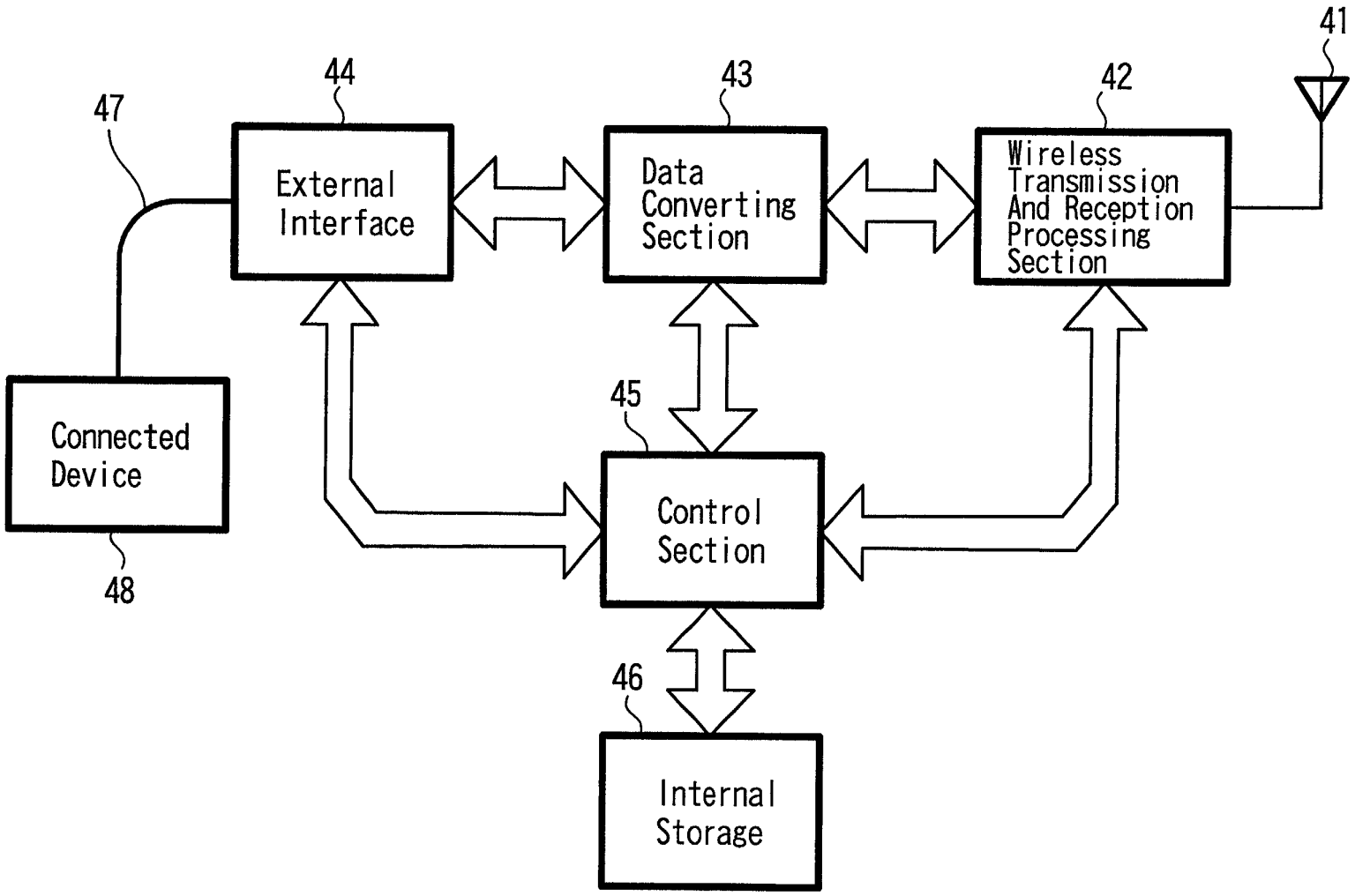

41
44
43
42
47
External Interface
Data Converting Section
Wireless Transmission And Reception Processing Section
Connected Device
45
Control Section
48
46
Internal Storage

FIG. 5

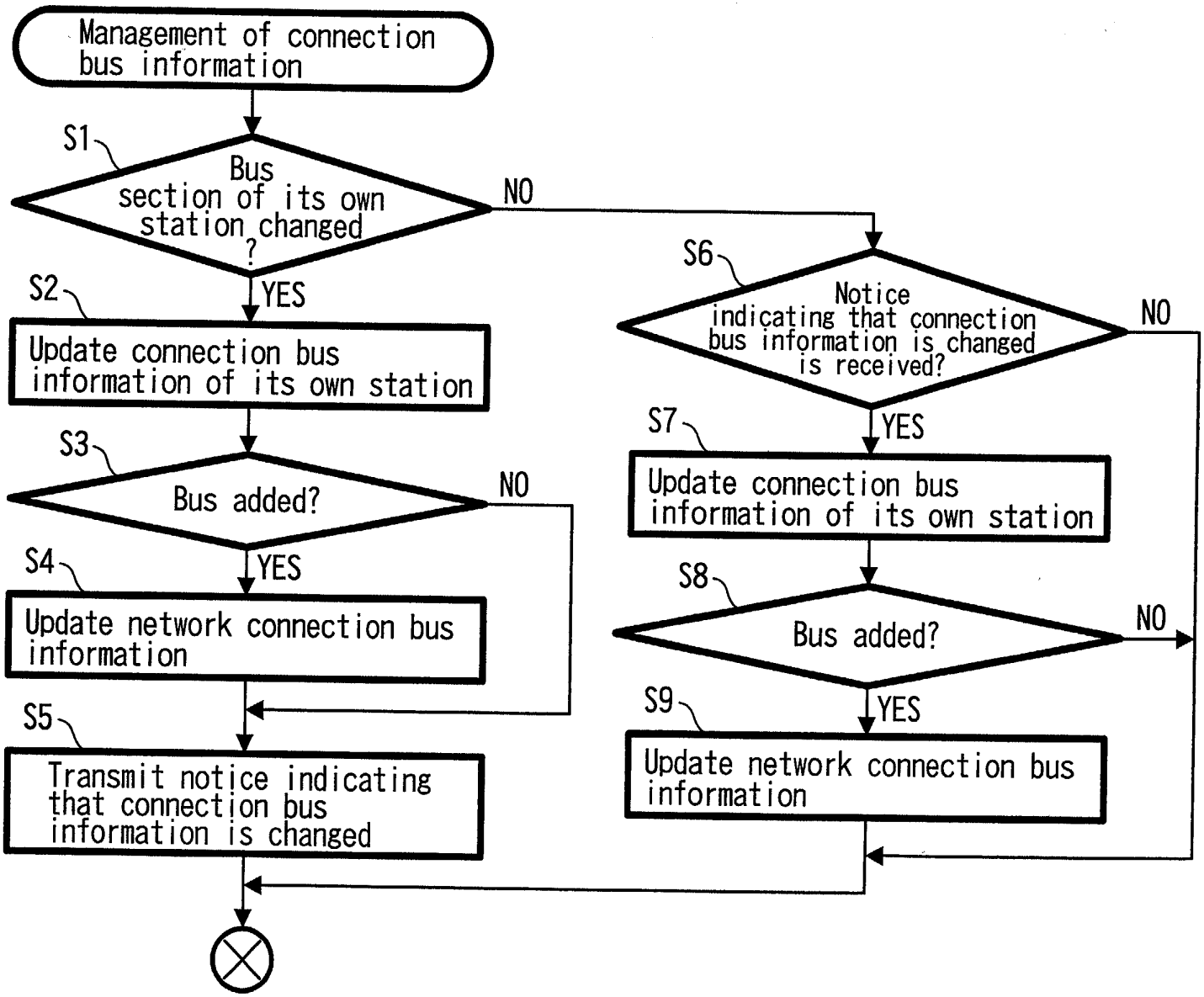

Management of connection bus information
S1
Bus section of its own station changed ?
NO
YES
S2
Update connection bus information of its own station
S3
Bus added?
NO
YES
S4
Update network connection bus information
S5
Transmit notice indicating that connection bus information is changed
S6
Notice indicating that connection bus information is changed is received?
NO
YES
S7
Update connection bus information of its own station
S8
Bus added?
NO
YES
S9
Update network connection bus information

FIG. 6

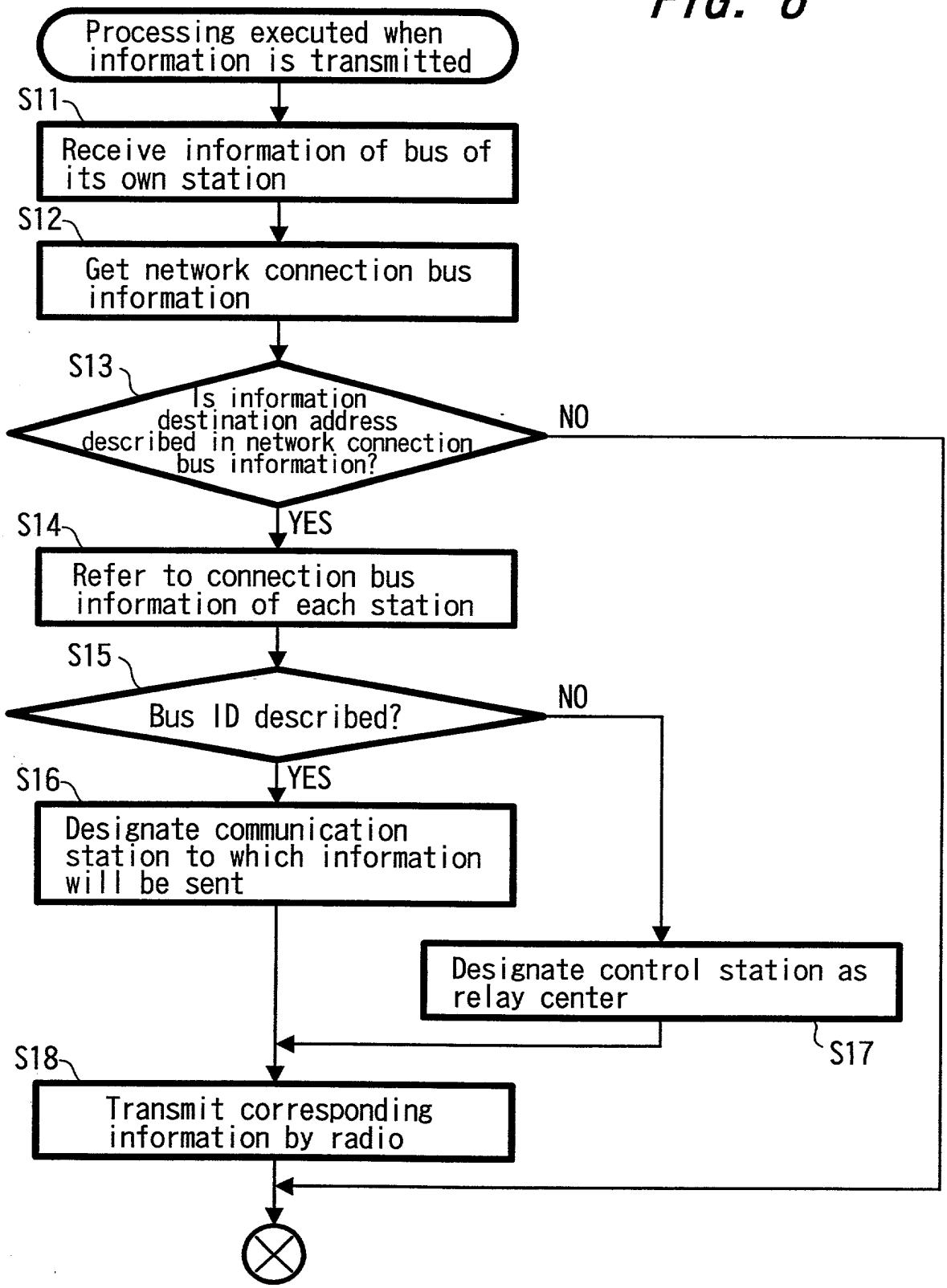
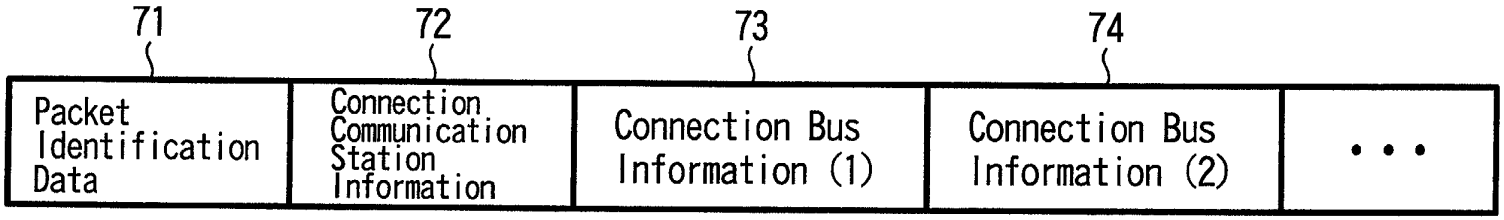

Processing executed when information is transmitted
S11
Receive information of bus of its own station
S12
Get network connection bus information
S13
Is information destination address described in network connection bus information?
NO
YES
S14
Refer to connection bus information of each station
S15
Bus ID described?
NO
YES
S16
Designate communication station to which information will be sent
Designate control station as relay center
S17
S18
Transmit corresponding information by radio

FIG. 7


71
72
73
74
Packet Identification Data
Connection Communication Station Information
Connection Bus Information (1)
Connection Bus Information (2)
• • •